MEMO

TO: Aaron Nissen
Intermountain Power Service Corporation

D.C. Langley
Babcock and Wilcox Company

FROM: Richard J. Monro
RJM Corporation

DATE: August 27, 1991

DATA REQUIREMENTS FOR BURNER ANALYSIS

This request for data is simultaneously sent to IPSC and B&W. In order to meet our materials specification date of September 10, 1991, the following data must be received by RJM Corporation no later than August 30, 1991. Where information or data appears to be uniquely provided by B&W, I have place the B&W initials to the left of the check-off column. If there are any questions, please call me at (203)438-6198.

GENERAL:

( ) Boiler Type (provide data sheet)

( ) Max Load - MMBtu/hr

( ) Number of Burners

( ) Fuel - Provide ultimate and proximate fuel analysis if available

( ) Max Load Fuel Rate - MMBtu/hr/Burner

( ) Burner Secondary Air (i.e. AH out) Temp

( ) Burner Primary Air Temp & Flow (design & actual)

( ) Windbox & Furnace Pressure or Differential Pressure (design & actual)

( ) Outer Air Door Position (provide direct measurement description)

( ) Inner Air Vane Position (provide direct measurement description)

( ) Turn Down Required

( ) Turn Down Method - e.g., pull 1 level of burners from service at 75% load, 2 levels at 50% load, etc.

( ) Current Emissions ( ) O_2
( ) NO_x
( ) CO

BURNER/BOILER (drawings & data):

( ) Boiler Cross Section/Layout

( ) Burner Positions, Over-Fire Air Ports (if any), Gas Flow Path, etc.

( ) Windbox Dimensions & Layout

( ) Is PC tube rifled or smooth (yes or no - if yes, provide details)

B&W ( ) For old and new burner, number of air doors (outer zone)
For old and new burner, number of air vanes (inner zone)

B&W ( ) Detail drawings of air door and air vanes for old and new burners

B&W ( ) Provide View "E-E" per Drawings 294361E-12 & SK41791E-O

B&W ( ) Present old and new burner materials of construction call out sheets

( ) Temperature data and location description of outer air zone and PC tube thermocouples. Describe how thermocouples are attached. Define normal operating conditions and worst-case conditions. Provide a range of temperature and operating conditions if possible.

B&W ( ) Throat and wall construction details - insulation, castable throats or tile, etc.

( ) Rotation - Number of burners CW & CCW

( ) Do outer and inner zones all rotate in same direction?

B&W ( ) Detail of outer zone backplate and hold down clips or assembly

B&W ( ) Detail of throat sleeve casing (old & new burners)

IP7_003335

RJM Corporation
Ten Roberts Lane
Ridgefield, CT 06877
203 438-6198

RJM

FACSIMILE TRANSMITTAL COVER SHEET

DATE: 8/27/91 **FAX NO.:** 801-864-4970

Please deliver the following pages to:

COMPANY: Intermountain Power **NAME:** Aaron Nissen

REFERENCE: Data Required - Burner Analysis

THIS FAX IS FROM: Richard J. Monro

Number of pages 3 (including cover sheet) transmitting from Xerox Telecopier 7032 (telephone 203 431-8255)

MESSAGE:

Copy being sent by FAX to D.C. Langley, as well.

If you do not receive all the pages, please call back as soon as possible. 203-438-6198.